



Display and Processor not to Scale

## Legendary Teranex Processing

LCD displays are rapidly replacing CRT monitors. Until now, Broadcast and Film Professionals preferred CRT over LCD performance. This is especially true for image quality evaluation applications. The new **ClearVue™** monitoring system is about to change all that. **Teranex's ClearVue** processor accurately maps all incoming signals pixel-by-pixel to the display's native 1920 x1200 resolution. The **ClearVue** system combines a true HD LCD display with "Legendary **Teranex Processing**," creating an affordable, flexible and impressive SD/HD capable monitoring system. The **ClearVue** is able to meet the needs of the most demanding application.

**Teranex** HQV Technology yields unsurpassed image quality for the exacting professional. The **ClearVue** is packed with **Teranex** technology like PixelMotion™ Deinterlacing and Multi-Directional Diagonal Filtering (MDDF™), proprietary algorithms reproducing incoming signals with impressive accuracy. Full-resolution reproduction of images is assured through **Teranex's** Per-Pixel Video/Film detection algorithm. Whenever video noise reduction is desired, **Teranex's** Per-Pixel Temporal Recursive Noise Reduction algorithm can be activated to minimize HD and SD video noise. The **ClearVue** system is able to handle just about any analog or digital signal, including Segmented Frame (SF) signals.

**ClearVue** is based on the Silicon Optix Realta image processing engine, minimizing the size of the electronics required to accomplish this difficult image handling task while maximizing image quality. The result? The best possible picture from a flexible, powerful, and user-friendly display system.

**Teranex's ClearVue** provides a viable and affordable replacement for heavy, fragile and space-hungry CRTs.

### Features:

- SD/HD Analog/Digital Video I/O
- HQV Teranex Technology
- Glitch-Free Automatic Sync & Format Recognition Switching
- Available Rack Mount System
- Energy & Space-Saving Package

### Typical Applications:

- Broadcast QC/ENG/EFP Monitoring
- Edit Suite Monitoring
- Mobile Production/Satellite QC Monitoring
- Cost-Effective Broadcast CRT Replacement



### ClearVue PROCESSOR VIDEO INPUTS

- 1 SDI SD/HD
- 1 Analog RGBHV (HD15-PC Resolutions up to SXGA+ 1400x1050 max.)
- 1 Analog YPrPb/RGB Component SD/HD Supports Resolutions Up to 1080i
- 1 HDMI SD/HD Supports Resolutions Up to 1080p
- 1 DVI Supports Resolutions Up to QXGA
- 1 S-Video (NTSC, PAL, SECAM)
- 1 Composite Video (NTSC, PAL, SECAM)

### ClearVue PROCESSOR VIDEO OUTPUTS

- 1 DVI -Primary Digital Connection to Display Device
- 1 Analog RGBHV -Secondary Connection (Supports VESA Resolutions up to UXGA & 720p/1080p)
- 1 HDMI -Secondary Digital Connection (Supports SD/HD Resolutions up to 1080p)

### ClearVue PROCESSOR SUPPORTED INPUT FORMATS

- 1080p59.94 (DVI only)
- 1080p50 (DVI only)
- 1080i59.94
- 1080i50
- 1080sf29.97
- 1080sf25
- 1080sf24
- 1080sf23.98
- 720p59.94
- 720p50
- 576i50
- 480i59.94

### ClearVue PROCESSOR DIMENSIONS

WxDxH: 17.5" x 10" x 1.75" (1RU)  
Weight: 10 lbs (Processor Only)

### ClearVue PROCESSOR CONTROL

Serial communications via RS-232 and USB connectors  
Ethernet  
IR Remote

### ClearVue PROCESSOR POWER

Voltage Compatibility: 100 to 240 VAC, 50 Hz to 60 Hz

### ClearVue LCD PANEL DISPLAY

Response Time Flat Panel Display / Active Matrix TFT: 6 ms Typical (Gray to Gray)  
Diagonal Size: 24"  
Viewable Size: 24"  
Image Max H-View Angle: ±89° (typical)  
Image Max V-View Angle: ±89° (typical)  
Dot Pitch: 0.270 mm (Pixel Pitch)  
Image Brightness: 500 cd/m² (typical)  
Image Contrast Ratio : 1000:1 (typical)  
Max Resolution: 1920x1200 Pixels at 60 Hz

### ClearVue LCD PANEL POWER

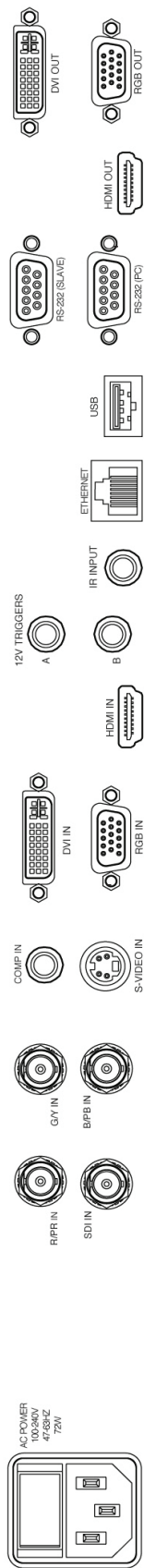
Voltage Compatibility: 100 to 240 VAC, 50 Hz to 60 Hz

### ClearVue ORDERING INFO

CV24: Includes 24" LCD Display & Processor  
RK24: Optional Rack Mount System for CV24

### ClearVue LCD PANEL DISPLAY DIMENSIONS

WxDxH: 22.125" x 7.68" x 15.27"  
Weight: 18.3 lbs (Monitor Only)



Preliminary ClearVue Rear Panel

Teranex  
7800 Southland Blvd. Suite 250  
Orlando, FL 32809  
T. 407.858.6000  
F. 407.858.6001  
www.teranex.com

Teranex Europe  
Aylesbury, HP20 9BX  
T +44.1296.42.45.10  
F +44.1296.58.60.84

Preliminary specifications subject to change without prior notice.  
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